Split B

5/25

DART AEROSPACE LTD	Work Order:	23340 B
Description: Wearplate	Part Number:	D3319-1
Dwg: D3319 Rev. A page 1	Qty:	30
Purite Pu		Page 1 of 1

Step	Location	Procedure	By	Date	Qty
1	DC	Issue Traveler	A	05.06.13	
2	PG	Issue P/O: 2008792 Email or Ship DXF file to vendor Laser Cut flat pattern per Dwg D3319 Possible Supplier: Industrial Laser Material release note is required	A	05/10/11	30
3	RG	Receive and inspect for transit damage Ensure material release note is attached	CL	05/10/25	31
4	QC6	Inspect dimensions as per inspection template D3319-1T1	//	05-11-16	30
5	GA	Deburr if necessary		NA	
6	GB	Form using DT8326 & DT8261 as per Dwg D3319 Dwg Rev:	83	05/11/17	30
7	GB	Form flat on press using DT8776 block Dwg Rev:	SB	05/11/17	30
8	QC6	Inspect dimensions as per Dwg D3319	M	05/4/23	30
9	ws	Weld hard surface using D3319-1T2 as per QSI 004 and Dwg D3319 Dwg Rev: Qty Part Number A/R N/A Description Batch 7560 Hardcoat Rod	CDC	05.12.12	26
10	QC9	Inspect weld	M	05/12/12	20
11	FP	Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3	FC	05 12 20	26
12	QC3	Inspect Powder Coat	M	05 12 20	26
13	ST	Identify on inside surface using a permanent fine point marker with the following: TCCA-PDA, Dart Aerospace Ltd. P/N: D3319-1, B/N: BXXXXX For Product Eligibility see PDA04-18 and Stock	CL_{2}	25/12/22	26
14	AC	Cost / part:	10	05142-27	26
15	DC	Close W/O Inspect Level 21	MAS	05/2/22	26
D	Control of the Contro		D	04/81/03	216
Rev	Date	Change	Revised	By Appr	oxed

PRELIMINARY ISSUE

New issue

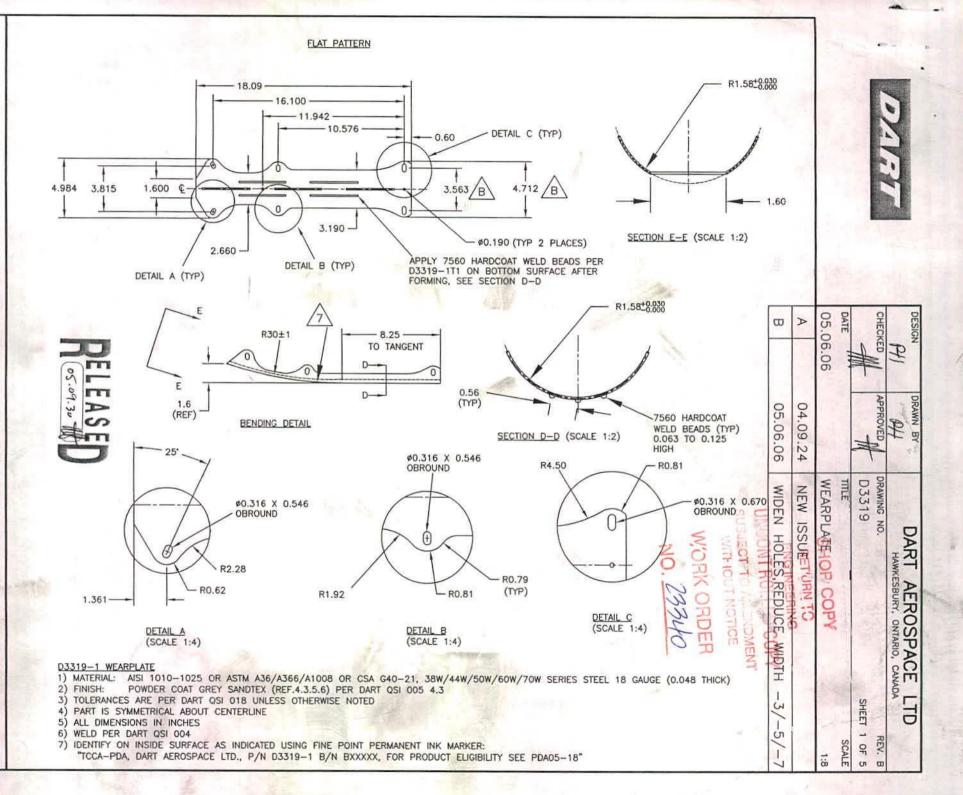
05.05.12

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES												
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector							
05.11.16	4	Took one for template (New Rev.)	1	05-11-16	1	K 05-11-16	05.11.16							
3							ż							

NCR:		W	WORK ORDER NON-CONFORMANCE (NCR)													
		Description of NC		Corrective Action Section B		Verification	Annroyal	Approval								
DATE	STEP	Section A	Initial Design Mgr	Action Description Design Mgr	Sign & Date	Section C	Approval Design Mgr	Approval QC Inspector								
	15															
		0														

Part No:	PAR #:	Fault Category:	NCR:	Yes No DQA:	Date: 06/01/63
NOTE: Date & initial all entries				QA: N/C Closed:	Date:



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PURPOSE

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Job Costing Report

Dart	Aerospace	Ltd.
Hawke	esbury	

May 17, 2005 10:51 am

Est Mark Up : 0.000% Actual Mark Up : 0.000%

Work Order No : 0023340 Project Name : D3319-1 Project For : WK525 Department Code:

Burden Flags : NNNNNN WO Status : Open Work Order Type : Main

Invoice State : Not Invoiced Main WO Number :

House Part Number : D3319-1 Invoice Date : Invoice Number : Description : Wearplate

Invoice Amount: 0.00 Manufactured : Yes

Amount Req'd: 30
Amount Done: 0
Start Date: 05-17-05 Order Entry No : OE Value : 0.00

Est Finish Date : 06-30-05

Act Finish Date : Drawings Reqd : No Ok for Approval :

Approval Rec'd : \$0 Posted to Finished Goods

		Estimated	Actual	Var. %	Posted	To Post
Material Cost	:	0.00	0.00	0.00	0.00	0.00
Engineering Hours	:	0.00	0.00	0.00		
	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	:	0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours		0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
		========	========	======		
Burden	:	0.00	0.00	0.00		
		========	========	======		
Total Cost	:	0.00	0.00	0.00		
Mark up	:	0.000	0.000			
Selling Cost	:	0.00	0.00			

		Estimated	Actual
Labour Hrs/Amount Done	:	0.00	0.00
Profits/(Loss)	:	0.00	0.00



California Steel Industries 14000 San Bernardino Ave. Fontana, California 92335

CERTIFIED TEST REPORT

	ER ORDER 0614ME(002	9		мо. nui	MBER 12-834	14-01			1,000	08/01/			CAR NUM	BER VCTR	1420	61		PC	C C		9136	1	1
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	ARK ALI 04-301-3		CUM	ENTS W	/P.O.	P50	614N	/EO	02. F	AX	TALL	JES A	AT TI	ME (OF SI	HIPM	ENT	TOM	MEL F	ELIA	S FA	x		
END: USE	WAREF	HOUS	E ST	OCK - N	ON-C	CRITI	ICAL	SU	RFA	CE		,												
PROD	H.R. CO	ILS -	P &	O - PRIN	Æ.																	16		
				CS-TYP															8			•		
T/R 1	IN	SPECTION	M	LL		_	-								-	-	-			-	-			
			DESCR	IPTION	9					PIECES MOLES	HEAT	NUMBER						1,	FPT	riev	THE	FOL	100	VINIC
. 0605 NOM	5 x 48	.000 ME	0 x	COIL						1	C 10 10 10 10 10 10 10 10 10 10 10 10 10	354 348						CO	ST	INFC ECT	RM/ AS	ATIO	N TO) BE
						*	Q												OMP	ANY	•	Jens	loi-	
		2	•			*	TQ						5					6	Sur	ANY L	5.5	v.		•
w.	Me	2	CAL PP	ROPERTIES	-		TQ					C	HEMIC	CAL AN	ALYSIS			6	OMP.	ANY L	5. S	RY SE		ES.
HEAT OR LOT NUMBER	SLAB NUMBER	ECHANIC	CAL PF	ROPERTIES TENSILE STRENGTH KSI	9	X SATION 2"	BEND TEST	c	Mn	P	\$	C	HEMIC	CAL AN	ALYSIS Cr	Мо	Al	6	OMP.	ANY L (5. S	RY SE	RVICI	ES.
LOT	SLAB	ECHANII	TELO	TENSILE STRENGTH	ELONG	BATION		C 08	.39	361	006	51	Cu 01				050	V 000	EF-L	ABOF 10:48	2.05 N	RY SE	RVICI	•



New Zealand Steel Limited Glenbrook, South Auckland Postat: Private Bag 92121, Auckland, New Zealand Telephones; (08) 375 8999 / 375 8111 Auckland (09) 235 8089 / 235 3535 Waiuku Fax: (09) 375 8859

TEST CERTIFICATE

Tut 5210/22400

CUSTOMER	Wilkinson		10	50	30	ES	DI	Tr	11			SPECI	FICATION	· ·	cr.									- 1
CUSTOMER O/N	90-21N-68						-	~	41-		-	-1.75=1.75	000000000000000000000000000000000000000				S Type A	·				CERTIFIC	CATE No TC112396	
MILL OW	480736	-				***						PRODU		-	RA W	VIDE C	DIL					PAGE	l of l	
	1	-		-	7	-	_		*				SIONS	Ů.	.844"	× 48" ×	Ceil					DATE	09 June 2005	1
PACK NUMBER	İ	C.	si T	Mn	P	S	0.00	SECTION .		N PERC	-			_			ME	CHANICAL	TESTS (T	EST SPECIF	ICATION -	ASTMA	1 100	
	HEAT No		100		-1	3	Cu	Ni	Cr x10	Mo	۷ !	Nb -	Ti A		0.5155	1	BEND	YIELD	T.S.	100	HARDNESS		LENGTH	- 19
R#-460748-00 R9-460749-00	642185	5		20	7	16	11	17	19	1	4 !	1:	1	x1	0000	x100	180°			G.L.=	HRB	()	(feet)	(4)
19-461119-00	642185 642185	5	TR	26	7	16	11	17	19	1	4	1	1				Good				50 50		1968	9
89-461120-00	642185		TR	20	7	16	11	17	19	1	4	1	1				Good				47		1913 1926	
							- T	100			-1		100	1		44.	Good				47		1713	

YELD (A)=0.2% PROOF STRESS (B)=LOWER YIELD STRESS	GAUGELEN (A)=200mm (B)=50mm	GTH (G.L.) (C)=80mm (D)=5.65 ; So	(E)=2" (F)=8"	PLASTIC (A)=r0 (B)=r90	STRAIN RATIO (r) (C)=r45 (D)=(r0+r90+2r45) / 4	IMPACT TEST (A)=10mm x 10mm (B)=7.5mm x 10mm	(D)-2.5mm x 10mm	CARBON EQUIVALENT VALUE (CE) (A)=C+Mn/6	601 (011 to 1010)
WE HEREBY OFFICE						(b)-7.Smm x Tumon	(E)=5mm x 10mm	(B)=C+Mn/6+(Cr+V+Mo)/5+(Cu+Ni)/15	(D)=

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION

APPROVED Satish Misra

103-1 T M INDIGNOTAL (PECCESSIS

Job Costing Report

Dart Aerospace Ltd. Hawkesbury

Nov 08, 2005 10:23 am

Work Order No :	0023340		
Project Name :	D3319-1	Department Code	2 :
Project For :	WK525	Burden Flags	: NNNNNNN
Work Order Type :	Main	WO Status	: Open
Main WO Number :		Invoice State	: Not Invoiced
House Part Number :	D3319-1	Invoice Date	i:
Description : Wear	rplate	Invoice Number	:
Manufactured : Yes		Invoice Amount	: 0.00
Amount Req'd :	30		
Amount Done :	0	Order Entry No	:
Start Date :	05-17-05	OE Value	: 0.00
Est Finish Date :	06-30-05		
Act Finish Date :		Est Margin	: 0.000%
Drawings Reqd :	No	Actual Margin	: 0.000%

Orawings Reqd : No Actual Margin : 0.000%
Ok for Approval : \$0 Posted to Finished Goods

Estimated Actual Var. % Posted To

		Estimated	Actual	Var. %	Posted	To Post
==============	==		========		=========	
Material Cost	:	0.00	186.00	100.00	0.00	186.00
Engineering Hours	:	0.00	0.00	0.00		
Engineering Cost	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours		0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	3)	0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours	:	0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
		========	========	======		
Burden	;	0.00	0.00	0.00		
		========	========	======		
Total Cost	3	0.00	186.00	100.00		
Margin		0.000	0.000			
Selling Cost	:	0.00	186.00			

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Each

Monday, 14/11/2005 3:30:52 PM

Alba Panzuto User **Process Sheet Drawing Name** : WEARPLATE : CU-DAR001 Dart Helicopters Services Customer : 23340 Job Number : 10437 **Estimate Number** Part Number : D33191 P.O. Number : D3319 REV. B : 14/11/2005 **Drawing Number** S.O. No. : This Issue : NC Project Number Prsht Rev. : PURCHASED PARTS : B : 11 Type First Issue **Drawing Revision** Previous Run Material : 30/11/2005 Qty: 30 Um: **Due Date** Written By Checked & Approved By

Additional Product

Job Number:

Comment



Machine Or Operation: Seq. #:

: Est: B 05.10.14 Added step 9, dwg rev B KJ/EC

1.0 PG



PURCHASING

Description:



Comment: PURCHASING

Issue P/O:_

Email or Ship DXF file to vendor Laser Cut flat pattern per Dwg D3319 Possible Supplier: Industrial Laser Material release note is required

2.0 D33191 Wearplate

3.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Recieive & Inspect for Transit Damage Ensure Material Release Note is attached

4.0 QC6 DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

5.0 SMALL FAB SMALL & MEDIUM FAB RESOURCE 1





Comment: SMALL & MEDIUM FAB RESOURCE 1

Deburr if necessary

BRAKE NC 6.0

NC BRAKE



Comment: NC BRAKE

1- Form using DT8326 & DT8261 as per Dwg D3319 Rev: __

2- Form flat on press using DT8776 block

Monday, 14/11/2005 3:30:52 PM Date: Alba Panzuto User: Customer: CU-DAR001 Dart Helicopters Services Job Number: 23340

Process Sheet

Drawing Name: WEARPLATE

Part Number: D33191

Job Number:



Seq. #: Machine Or Operation: Description:

7.0 QC6 DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

LARGE FAB 1 8.0

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1- Layout weld location as per Dwg D3319 using jig D3319-1T3

2- Weld hard surface using D3319-1T2 per QSI 004 and Dwg D3319 Rev: ___

Part Number Qty A/R N/A

Description 7560 Hardcoat Rod

Batch

QC9 9.0

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

10.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3

11.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION





Comment: INSPECT POWDER COAT

12.0

PACKAGING 1

PACKAGING RESOURCE #1





Comment: PACKAGING RESOURCE #1

Identify on inside surface using a permanent fine point marker with the following:

TCCA-PDA, Dart Aerospace Ltd. P/N: D3319-1, B/N: BXXXXX For Product Eligibility see PDA05-18

and Stock Location:

13.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

Job Completion

